

CLAIMS

1. A remote control system including a transmitter and a moving machine remote-controlled on the basis of a control signal transmitted from the transmitter, and discriminating at least one combination of the transmitter and the moving machine to be controlled by the transmitter on the basis of first identification information transmitted from the transmitter,

wherein the remote control system comprises a recording medium having characteristic information associated with the moving machine recorded thereon,

the transmitter comprises:

a characteristic information recognition device capable of recognizing the characteristic information concerning the moving machine to be controlled, recorded on the recording medium;

and

a second identification information transmission device for transmitting second identification information, which specifies the moving machine as a moving machine to be controlled on the basis of the recognized characteristic information, and

the moving machine comprises:

a discrimination device for determining whether remote control conducted by the transmitter that has transmitted the second identification information is allowed, on the basis of the received second identification information; and

a remote control prohibition device responsive to discrimination that the remote control is not allowed, for prohibiting the remote control by the transmitter that has

transmitted the second identification information, irrespective of whether the combination based on the first identification information is established.

5 2. The remote control system according to claim 1, wherein the recording medium can be attached to and detached from the transmitter.

10 3. The remote control system according to claim 1 or 2, wherein writing into the recording medium cannot be conducted by users.

4. The remote control system according to any one of claims 1 to 3, wherein

15 the moving machine comprises a storage device for storing information based on the characteristic information associated with itself, and

20 the discrimination device determines whether the remote control is allowed on the basis of the stored information based on the characteristic information of itself and the received second identification information.

5. The remote control system according to any one of claims 1 to 4, wherein the moving machine comprises a remote control enabling device for enabling the moving machine to be
25 remote-controlled on the basis of the first identification information after the discrimination device has judged the remote control to be allowed.

6. The remote control system according to claim 5, wherein
the moving machine comprises a discriminant for
determining whether the moving machine should operate on the
5 basis of the control signal, and

the remote control enabling device enables the remote
control on the basis of the first identification information,
by controlling the discriminant.

10 7. The remote control system according to claim 5 or 6,
comprising an another transmitter excluding device for disabling
the remote control conducted by an another transmitter except
for the transmitter enabled first by the discrimination device,
even if the another transmitter is the transmitter to control
15 the moving machine on the basis of the first identification
information.

8. The remote control system according to claim 7, wherein
the another transmitter excluding device disables the remote
20 control conducted by the another transmitter, by using
information based on transmission timing of the control signal
transmitted by the transmitter.

9. The remote control system according to any one of claims
25 1 to 8, wherein

the characteristic information comprises information
concerning control laws characteristic to the moving machine

associated with the characteristic information, and

the transmitter comprises a control signal transmission device for creating a control signal based on the control laws and transmitting the created control signal.

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10. A moving machine moved by a control signal supplied from a transmitter combined with the moving machine on the basis of first identification information, the moving machine comprising:

a recording medium having characteristic information of
10 the moving machine itself recorded thereon;

a discrimination device responsive to transmission of second identification information based on the characteristic information transmitted from the transmitter that has recognized the characteristic information through the recording medium,
15 for determining whether remote control conducted by the transmitter that has transmitted the second identification information is allowed, on the basis of the received second identification information; and

a remote control prohibition device responsive to
20 discrimination that the remote control is not allowed, for prohibiting the remote control by the transmitter that has transmitted the second identification information, irrespective of whether a combination based on the first identification information is established.

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11. The moving machine according to claim 10, wherein the recording medium can be separated from the moving machine.

12. The moving machine according to claim 10 or 11, wherein the discrimination device determines whether the remote control conducted by the transmitter that has transmitted the second
5 identification information is allowed, on the basis of information based on the characteristic information of itself and the received second identification information.

13. A transmitter capable of remote-controlling a moving
10 machine combined as a control object with the transmitter subject on the basis of first identification information, the transmitter comprising:

a characteristic information recognition device capable of recognizing characteristic information of the moving machine
15 recorded on a recording medium; and

a second identification information transmission device for transmitting second identification information, which specifies the moving machine as a moving machine to be controlled, on the basis of the recognized characteristic information.

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14. A remote control system including a transmitter and a moving machine remote-controlled on the basis of a control signal transmitted from the transmitter,

wherein the remote control system comprises a recording
25 medium having characteristic information associated with the moving machine recorded thereon,

the transmitter comprises:

a characteristic information recognition device for recognizing the characteristic information associated with the moving machine to be controlled; and

a moving machine specification information transmission
5 device for transmitting moving machine specification information that specifies the moving machine as a moving machine to be controlled, on the basis of the recognized characteristic information, and

the moving machine comprises:

10 a discrimination device for determining whether remote control conducted by the transmitter that has transmitted the moving machine specification information is allowed, on the basis of the received moving machine specification information; and

a remote control prohibition device responsive to
15 discrimination that the remote control is not allowed, for prohibiting the remote control by the transmitter that has transmitted the moving machine specification information.

15. The remote control system according to claim 14, wherein
20 the recording medium can be attached to and detached from the transmitter.

16. The remote control system according to claim 14 or 15, wherein

25 — the characteristic information comprises information concerning control laws characteristic to the moving machine associated with the characteristic information, and

the transmitter comprises a control signal transmission device for creating the control signal based on the control laws and transmitting the created control signal.

5 17. A moving machine moved by a control signal supplied from a transmitter, the moving machine comprising:

a recording medium having characteristic information of the moving machine itself recorded thereon;

a discrimination device responsive to transmission of
10 identification information based on recognized characteristic information transmitted from the transmitter that has recognized the characteristic information from the recording medium, for determining whether remote control conducted by the transmitter that has transmitted the identification information is allowed,
15 on the basis of received identification information; and

a remote control prohibition device responsive to discrimination that the remote control is not allowed, for prohibiting the remote control by the transmitter that has transmitted the identification information.

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18. The moving machine according to claim 17, wherein the recording medium can be separated from the moving machine.

19. The moving machine according to claim 17 or 18, wherein
25 the discrimination device determines whether the remote control conducted by the transmitter that has transmitted the identification information is allowed, on the basis of

information based on the characteristic information of itself and the received identification information.

20. A transmitter capable of remote-controlling a moving
5 machine, the transmitter comprising:

a characteristic information recognition device capable of recognizing characteristic information of the moving machine recorded on a recording medium; and

10 an identification information transmission device for transmitting identification information, which specifies the moving machine as a moving machine to be controlled on the basis of the recognized characteristic information.